

**PROBIOTIC STRAINS, A PROCESS FOR THE SELECTION OF THEM,
COMPOSITIONS THEREOF, AND THEIR USE**

ABSTRACT

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The present invention relates to a novel process for the selection of new probiotic strains which comprises the following steps: a) selecting for non-pathogenic strains which are capable of surviving in breast milk and/or amniotic fluid, and b) selecting for non-pathogenic strains which are able to be transferred to breast milk and/or amniotic fluid after oral intake in healthy individuals without colonizing other internal organs except mucousas. The invention also provides new *Lactobacillus* strains, which are: CECT5711 (*Lactobacillus coryniformis*), CECT5713 (*Lactobacillus salivarius subsp. salivarius*), CECT5714: (*Lactobacillus gasseri*, formerly *L. acidophilus*), CETC5715: (*Lactobacillus gasseri*), and CECT5716: (*Lactobacillus fermentum*); and refers to their use for the prophylaxis or treatment against digestive, infective, neuro-degenerative and immune related diseases such as allergies or inflammatory diseases.